

# PAWNEE COUNTY

## CLIMATE SUMMARY

### AVERAGES

#### TEMPERATURE (°F)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
DAILY AVG	36.6	41.4	50.7	60.0	68.8	77.7	82.5	81.0	73.0	61.4	48.9	39.0	60.1
DAILY MIN	24.0	28.3	37.4	47.0	57.6	66.8	70.8	68.6	60.2	47.9	35.6	27.0	47.6
DAILY MAX	49.1	54.5	64.0	73.0	80.0	88.6	94.1	93.3	85.8	75.0	62.3	50.9	72.5

**Annual number of days max temperature is greater than 90°F: 74**

**Annual number of days max temperature is greater than 100°F: 13**

**Annual number of days max temperature is less than 32°F: 8**

**Annual number of days min temperature is less than 32°F: 97**

**Annual number of heating degree days (HDD): 3742**

**Annual number of cooling degree days (CDD): 1981**

**Annual length of growing season: 196 days**

**Date of first fall freeze: October 24**

**Date of last spring freeze: April 11**

#### PRECIPITATION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
AMOUNT (in.)	1.22	1.57	2.76	4.06	5.36	4.50	3.75	3.95	3.39	3.08	1.94	1.86	37.44
NUMBER OF DAYS WITH RAIN	3.1	3.5	5.3	6.2	8.4	6.4	5.1	5.4	5.6	5.2	3.9	3.8	61.9

**Annual snowfall: 6.7 in.**

**Annual percent sunshine (2006-2020): 65%**

**Annual number of thunderstorm days (1901-1995): 51**

**Annual number of hail (>1 in.) days (1986-2015): 5+**

**Annual number of tornadoes (1950-2021): 0.42**

**Total number of tornadoes (1950-2021): 30**

Notes:

1.) Average first and last freeze dates are based on the 50th probability percentile.

2.) Unless noted, averages/normals are based on the 1991-2020 period.

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## RECORDS & EXTREMES

**Record high temperature:** 115°F (July 31, 2012)  
**Record low temperature:** -29°F (February 10, 2011)  
**Earliest freeze date:** October 7  
**Latest freeze date:** April 27  
**Wettest year:** 61.11 in. (2019)  
**Driest year:** 17.34 in. (1956)  
**Greatest daily rainfall:** 9.52 in. (May 21, 2019)  
**Greatest seasonal snowfall (Sep - Apr):** 30.7 in. (1987-1988)  
**Greatest daily snowfall:** 13.0 in. (December 25, 2009)

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*Note: Extreme earliest and latest freeze dates are based on the 10th probability percentile.*

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## HOLIDAY STATS

	AVG MAX TEMP (°F)	AVG MIN TEMP (°F)	RECORD HIGH (°F)	RECORD LOW (°F)
NEW YEAR'S EVE, December 31	46	24	72 (2011)	-1 (1968)
VALENTINE'S DAY, February 14	54	28	78 (2003)	3 (2021)
INDEPENDENCE DAY, July 4	92	68	103 (2011)	51 (2013)
HALLOWEEN, October 31	67	45	84 (1990)	13 (1993)
CHRISTMAS, December 25	46	22	73 (1971)	-4 (1983)



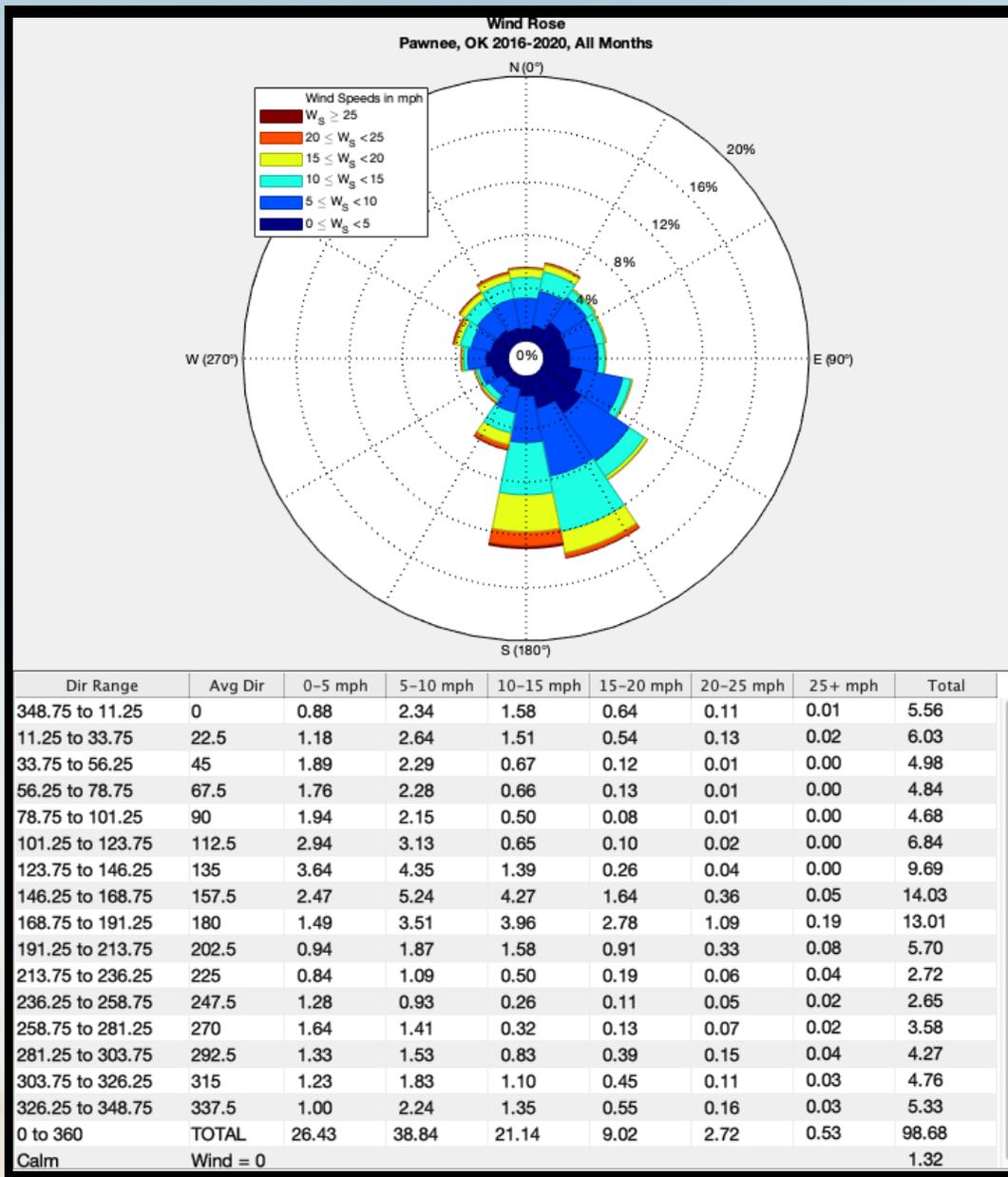
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## WIND

**Average wind speed:** 9 mph

**Wind Roses:** Wind roses show the prevailing direction from which the wind is blowing. North is up in the image. The circles show the percentage of time from which the wind is blowing in that direction, as well as the percentage of time for different wind speed ranges. The wind speed ranges are represented by different shades of color. For example, Pawnee records a south wind about 13% of the time, with winds blowing between 15 and 20 mph about 3% ( $12\% - 9\% = 3\%$ ) of the time from that direction. The table below shows the percentage of time the wind is blowing from each of the 16-point compass headings, and the percent of time the prevailing wind is recorded in each speed bin.





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